

Title (en)

Continuous drying apparatus for porous web

Title (de)

Vorrichtung zur kontinuierlichen Trocknung einer porösen Bahn

Title (fr)

Dispositif pour le séchage en continu d' une bande poreuse

Publication

EP 0949377 B1 20040630 (EN)

Application

EP 99106155 A 19990407

Priority

JP 9920998 A 19980410

Abstract (en)

[origin: EP0949377A2] The present invention relates to a continuous drying apparatus for porous web. The continuous drying apparatus for porous web, comprises a porous web (102) for traveling on a drying line, a heating cylinder (101) for contacting the porous web (102) at its circumferential surface and rotating in synchronization with the travel of the porous web (102) to heat the porous web (102), a drying band (104) for contacting and supporting a surface of the porous web (102) which is out of contact with the heating cylinder (101) and also for rotating in synchronization with the travel of the porous web (102), and a pressure rotating body (115) disposed near the circumference of the heating cylinder (101) and outside the drying band. The pressure rotating body (115) is constructed of a rotating member (107) for rotating and contacting an exterior surface of the drying band (104) and pressure means (108) for pressurizing the rotating member (107) toward the heating cylinder (101). With this, porous web can be efficiently dried. <IMAGE>

IPC 1-7

D21F 5/02; **D21F 3/02**

IPC 8 full level

F26B 13/08 (2006.01); **D21F 3/02** (2006.01); **D21F 5/00** (2006.01); **D21F 5/02** (2006.01); **D21F 5/16** (2006.01)

CPC (source: EP KR US)

D21F 3/0281 (2013.01 - EP KR US); **D21F 5/004** (2013.01 - EP KR US); **D21F 5/02** (2013.01 - EP KR US)

Cited by

EP3859083A4; DE102008043918A1; DE102008043916A1; WO2005100684A1

Designated contracting state (EPC)

DE FI IT SE

DOCDB simple family (publication)

EP 0949377 A2 19991013; **EP 0949377 A3 20000524**; **EP 0949377 B1 20040630**; CA 2264376 A1 19991010; CA 2264376 C 20020416; CN 1097657 C 20030101; CN 1232104 A 19991020; DE 69918351 D1 20040805; DE 69918351 T2 20050714; ID 22411 A 19991014; JP H11293583 A 19991026; KR 100309054 B1 20011228; KR 19990081779 A 19991115; US 6161301 A 20001219

DOCDB simple family (application)

EP 99106155 A 19990407; CA 2264376 A 19990303; CN 99104020 A 19990316; DE 69918351 T 19990407; ID 990232 D 19990317; JP 9920998 A 19980410; KR 19980047172 A 19981104; US 26539899 A 19990310